UltraView dedicated LCD display solutions

User Manual 21.5” FHD 1920 x 1080 LCD with Digital TV

AP-F21-TV

Aluminum front bezel

NAP-F21-TV

Front NEMA4 / IP65

OP-F21-TV

Universal Mounting Open Frame

Designed and manufactured by Austin Hughes

Legal Information

First English printing, October 2002

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

< Part. 1 > AP-F21-TV / NAP-F21-TV

1.1	Package Content	P.1
1.2	Structure Diagram & Dimension	P.2 - 3
1.3	Mounting Hardware & Installation	P.4 - 5

< Part. 2 > OP-F21-TV

2.1	Package Content	P.6
2.2	Structure Diagram & Dimension	P.7 - 8
2.3	Mounting Hardware & Installation	P.9

< Part. 3 > Specifications / OSD

3.1	Product Specifications	P.10 - 11
3.2	On-screen Display Operation (OSD)	P.12

< Part. 4 > Digital TV - Specifications / OSD

4.1	Remote Controller	P.13 - 14
4.2	On-screen Display Operation (OSD)	
4.2.1	Channel Menu	P.15 - 16
4.2.2	Picture Menu	P.17 - 20
4.2.3	Audio Menu	P.21 - 22
4.2.4	Time Menu	P.23 - 25
4.2.5	Setup Menu	P.26 - 30
4.2.6	Lock Menu	P.31 - 34

Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

How To Clean Your LCD Monitor

Caution :

- To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.
- When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.
- Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.
- Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.
- Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

① Disconnect the power cord.

② Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

① Disconnect the power cord.

② Spray a small amount of non-abrasive cleanser on a microfiber cloth.

Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.

③ Gently wipe the surface. Use as little pressure as possible.

④ Wait until your monitor is completely dry before plugging it in and powering it up.

< Part 1 >
< 1.1 > Package Content - AP / NAP-F21-TV

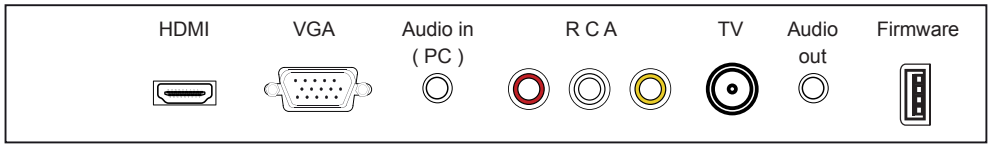
AP-F21 / NAP-F21-TV

21.5" FHD LCD display X 1
6ft VGA cable X 1
Power adapter X 1
Power cord X 1

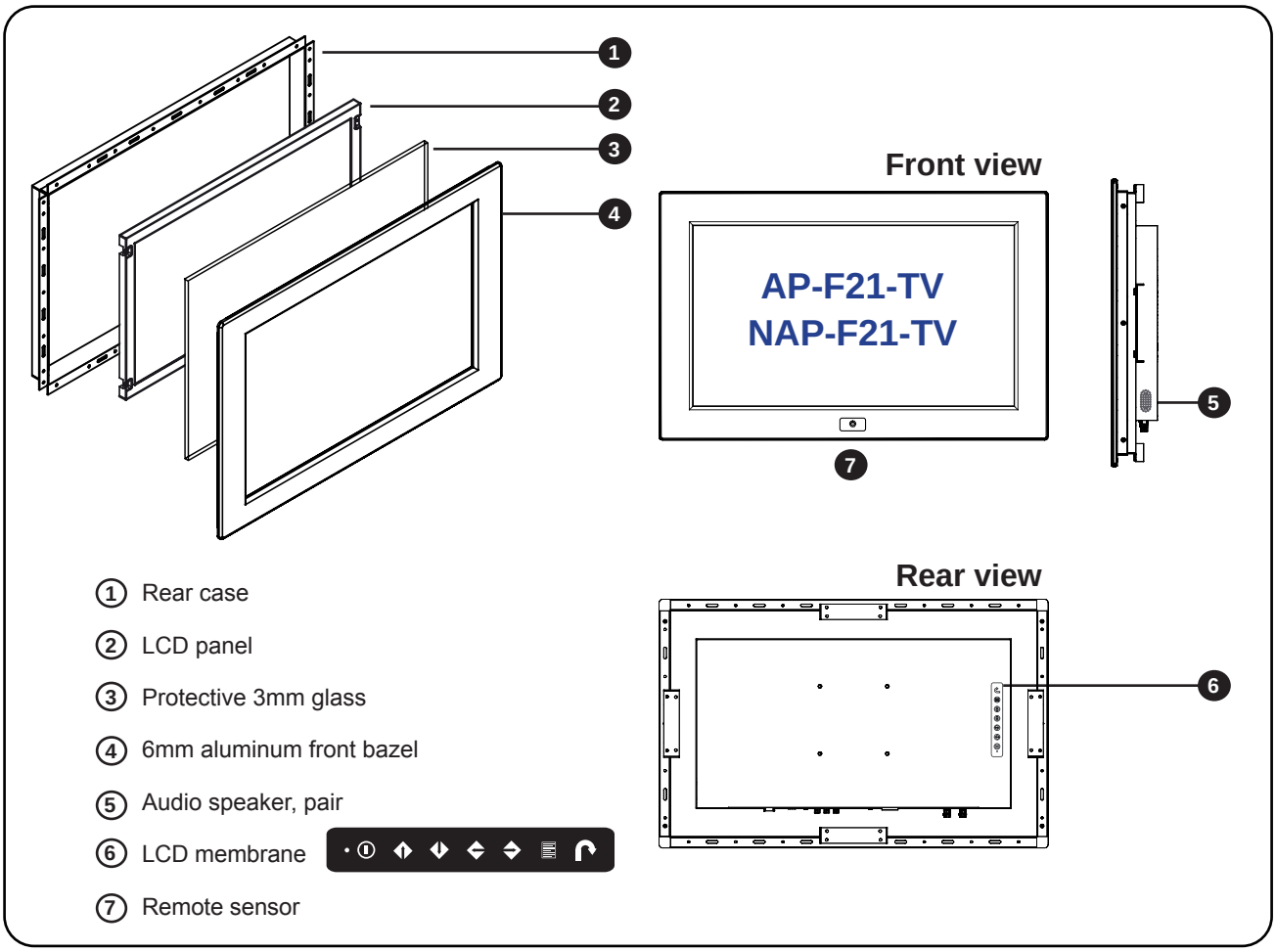
Mounting hardware X 1 pack

- Mounting bracket x 4 pcs
- M4* 6mm screw x 8 pcs
- M4* 50mm screw x 8 pcs

Basic I/O



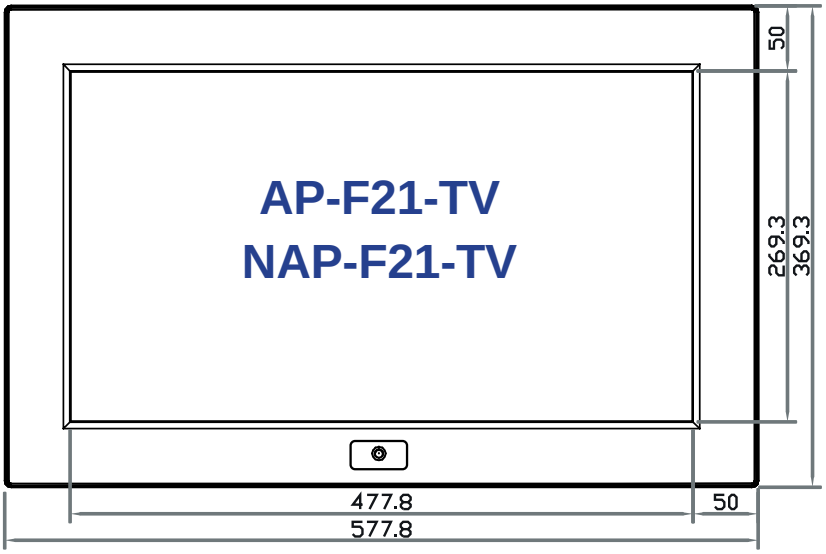
- **An abundance of input connections that include HDMI, VGA, Composite, Audio and TV w/ Remote Controller**



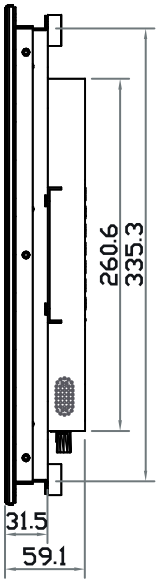
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
AP-F21-TV **NAP-F21-TV**	577.8 x 59.1 x 369.3 mm 22.7 x 2.3 x 14.5 inch	659 x 117 x 640 mm 25.9 x 4.6 x 25.2 inch	9 kg 19.8 lbs	12.7 kg 27.9 lbs

< 1.2 > Dimension - AP / NAP-F21-TV

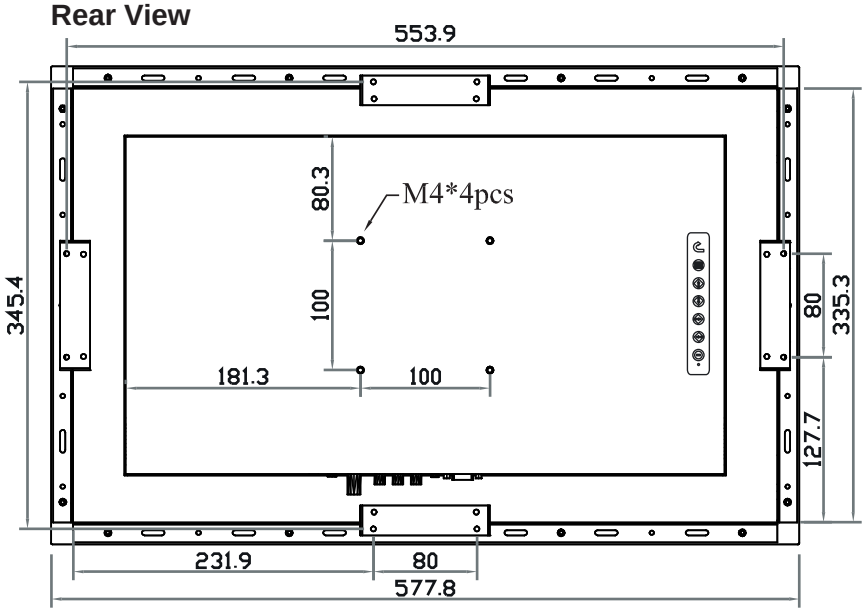
Front View



Side View

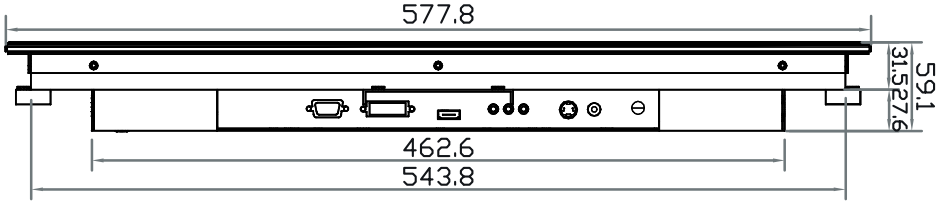


Rear View



UNIT : mm
1mm = 0.03937 inch

Bottom View

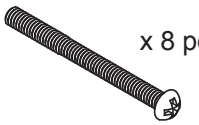


1 Mounting bracket x 4 pcs

2 M4*6mm screw

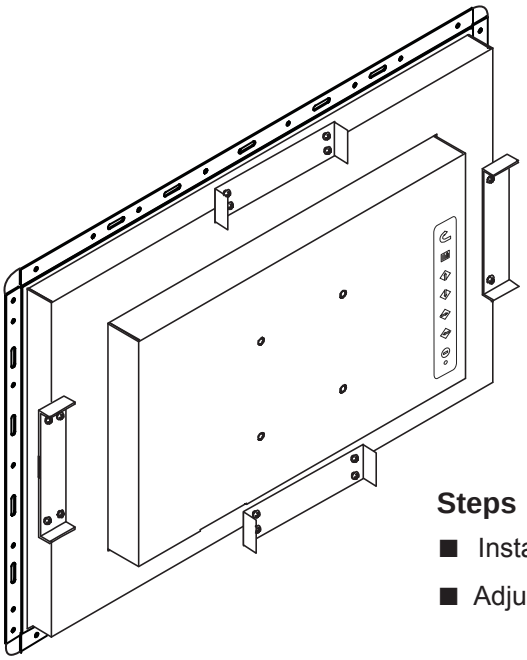
x 8 pcs

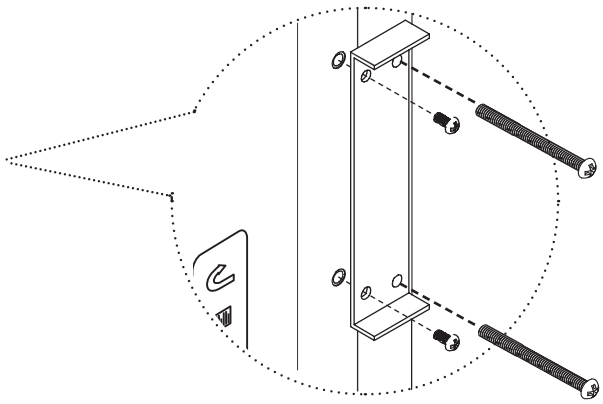
3 M4*50mm screw



x 8 pcs

Hardware set part no. UV-BK#2

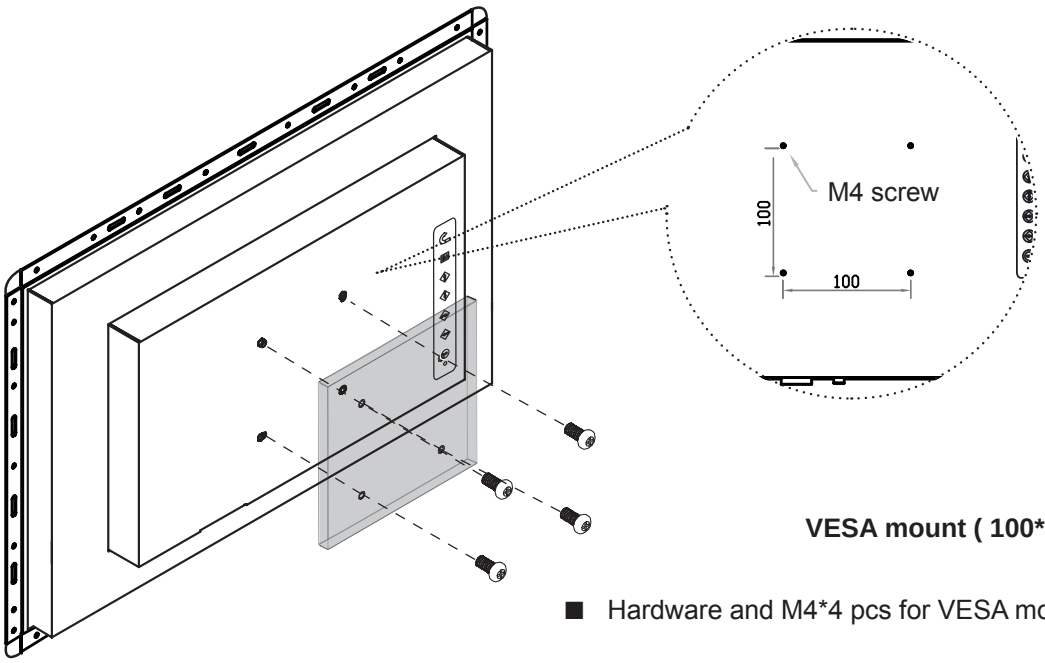




Steps

- Install 4 mounting brackets with 8 x M4*6mm screws
- Adjust the LCD panel with 8 x M4*50mm screws and fix it on the surface.

< 1.3 > VESA mount Installation - AP / NAP-F21-TV



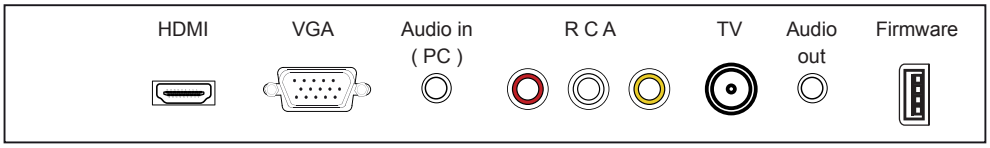
VESA mount (100*100mm)

■ Hardware and M4*4 pcs for VESA mount are not provided

OP-F21-TV

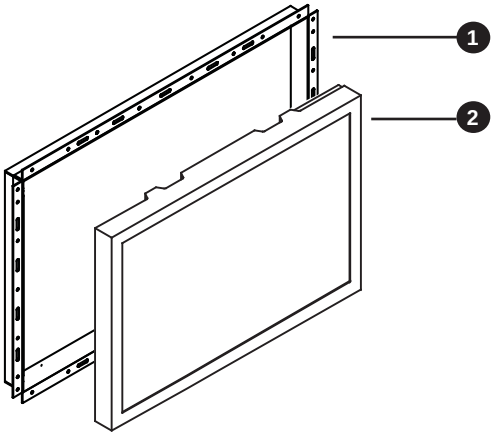
- 21.5" FHD LCD display X 1
- 6ft VGA cable X 1
- Power adapter X 1
- Power cord X 1

Basic I/O

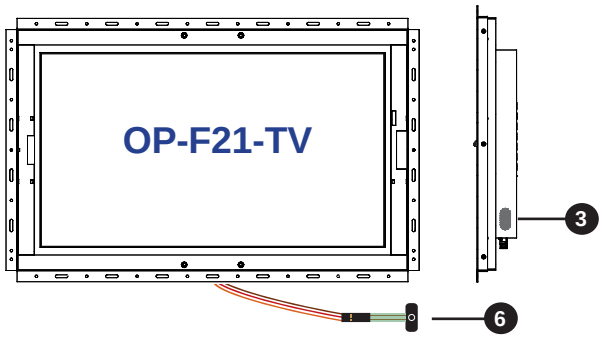


- **An abundance of input connections that include HDMI, VGA, Composite, Audio and TV w/ Remote Controller**

< 2.2 > Structure Diagram - OP-F21-TV



Front view



① Rear case

② LCD panel

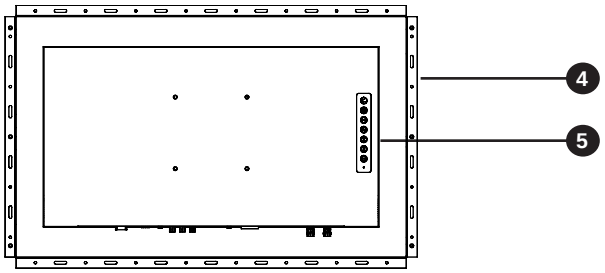
③ Audio speaker, pair

④ Universal open frame mounting

⑤ LCD membrane

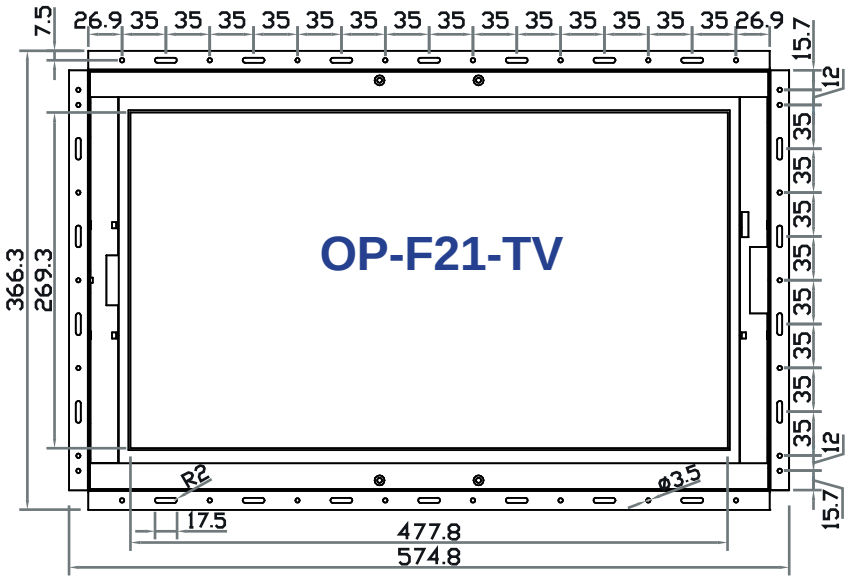
⑥ Extended remote sensor membrane cable
(66cm from AD board to sensor end)

Rear view

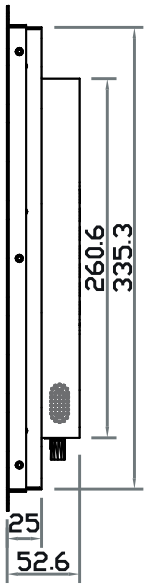


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
OP-F21-TV	574.8 x 52.6 x 366.3 mm 22.6 x 2.1 x 14.4 inch	659 x 117 x 640 mm 25.9 x 4.6 x 25.2 inch	6.7 kg 14.7 lbs	10.4 kg 22.9 lbs

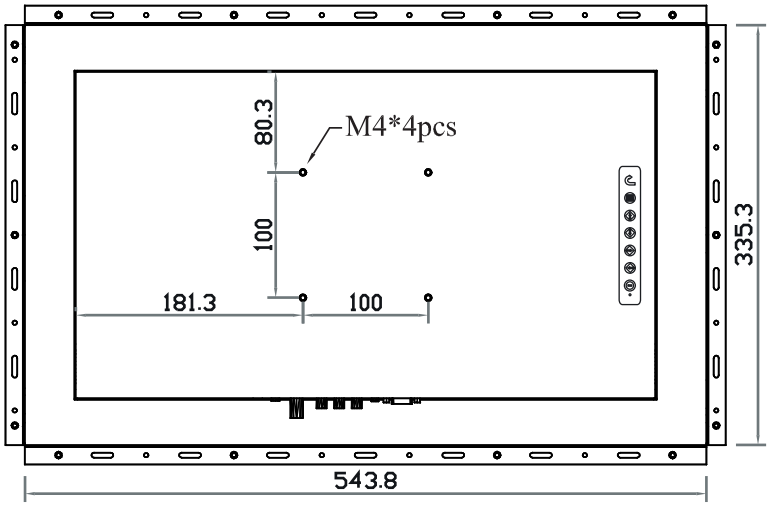
Front View



Side View

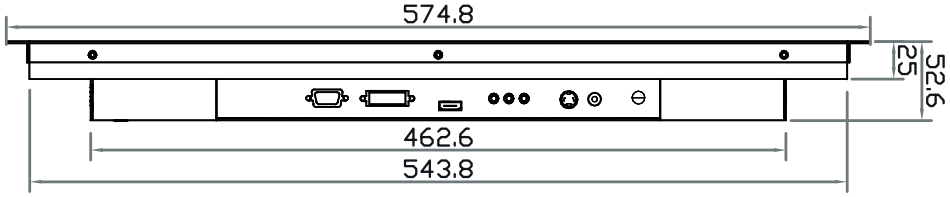


Rear View



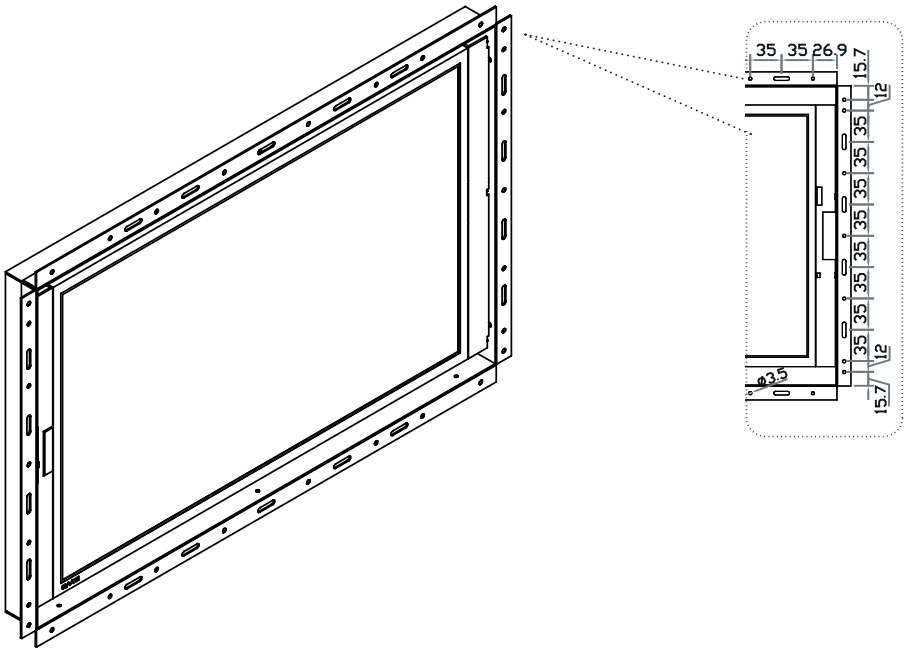
UNIT : mm
1mm = 0.03937 inch

Bottom View

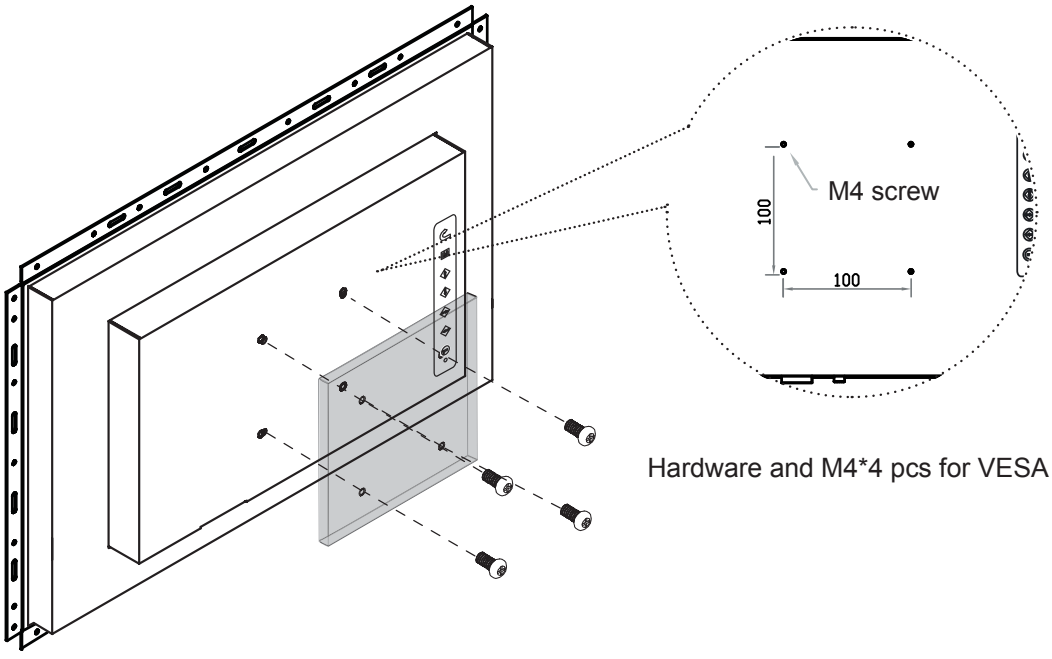


< 2.3 > Installation - OP-F21-TV

(I) Universal mount



(II) VESA mount (100*100mm)



Hardware and M4*4 pcs for VESA mounting are not provided

		AP / NAP-F21-TV	OP-F21-TV
Mechanical Design	Front Panel	Black, RAL 9005	-
	Rear Casing	Black, RAL 9005	Black, RAL 9005
	VESA Mounting	100 x 100mm	100 x 100mm
	Other Mounting	Panel mount	Universal mount
	Protection	3mm protective glass	-

LCD Panel	Manufacturer	SAMSUNG
	Panel Size (diagonal)	21.5-inch Widescreen TFT color LCD
	Display pixel (dots x lines)	1920 x 1080
	Brightness (typ.)	250
	Contrast Ratio (typ.)	1000:1
	Color	16.7 M
	Viewing Angle (L/R/U/D)	85/85/80/80
	Response Time (ms)	5
	Dot pitch (mm)	0.248
	Display Area (mm)	476.64H x 268.11V
	Surface treatment	Haze 25%, Hard-coating
	Surface hardness	3H
	Backlight Type	LED
	MTBF (hrs)	30,000

Video Connectivity	Digital	HDMI	HDMI 1.1, CEA-861-D
	Analog	VGA	Analog 0.7Vp-p
		Composite (RCA)	NTSC & PAL
	Plug & Play	VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Audio Connectivity	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kΩ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kΩ / 2.8V
	Speaker Output	Power	2 x 2W

*When the audio output is connected, speaker output is OFF

Digital TV Tuner	Aerial Input	75 ohm coaxial, IEC type
	TV system	ATSC / NTSC

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption	Screen display ON	32W or less
		Power saving mode	4W or less
		Power button OFF	1W or less

Regulatory	Safety	FCC & CE certified
	Environmental	RoHS2 & REACH compliant

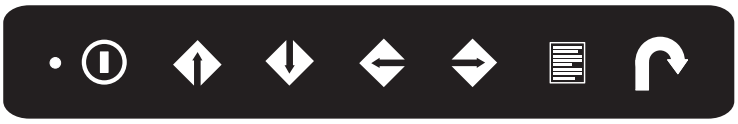
Environmental Conditions	Operating	Temperature	0 to 55°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 60°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
		Vibration	5~500Hz 1G RMS random

		AP / NAP-F21-TV	**OP-F21-TV**
Physical Specification	Product (W x D x H)	577.8 x 59.1 x 369.3 mm 22.7 x 2.3 x 14.5 inch	574.8 x 52.6 x 366.3 mm 22.6 x 2.1 x 14.4 inch
	Packing (W x D x H)	659 x 117 x 640 mm 25.9 x 4.6 x 25.2 inch	659 x 117 x 640 mm 25.9 x 4.6 x 25.2 inch
	Net Weight	9 kgs / 19.8 lbs	6.7 kgs / 14.7 lbs
	Gross Weight	12.7 kgs / 27.9 lbs	10.4 kgs / 22.9 lbs

Applicable Format	DVI-D / VGA Input	PC Signal	1920 x 1080 x 60Hz
			1360 x 768 x 60Hz
			1280 x 1024 x 60 / 75Hz
			1280 x 960 x 60Hz
			1280 x 768 x 60 / 75Hz
			1152 x 864 x 75Hz
			1024 x 768 x 60 / 70 / 75Hz
			848 x 480 x 60Hz
			800 x 600 x 60 / 72 / 75Hz
			720 x 400 x 70Hz
			640 x 480 x 60 / 72 / 75Hz
			640 x 400 x 70Hz
			640 x 350 x 70Hz
	HDMI Input	PC Signal	Same as VGA
		Video Signal	1080p : 50 / 60Hz
			1080i : 50 / 60Hz
			720p : 50 / 60Hz
			480p : 60Hz
			576p : 50Hz
		Audio Signal	2ch Linear PCM (32 / 44.1 / 48 KHz)
	Composite / S-Video Input	NTSC	525 lines, 60 fields / sec
		PAL	625 lines, 50 fields / sec

< 3.2 > On-screen Display Operation (OSD)

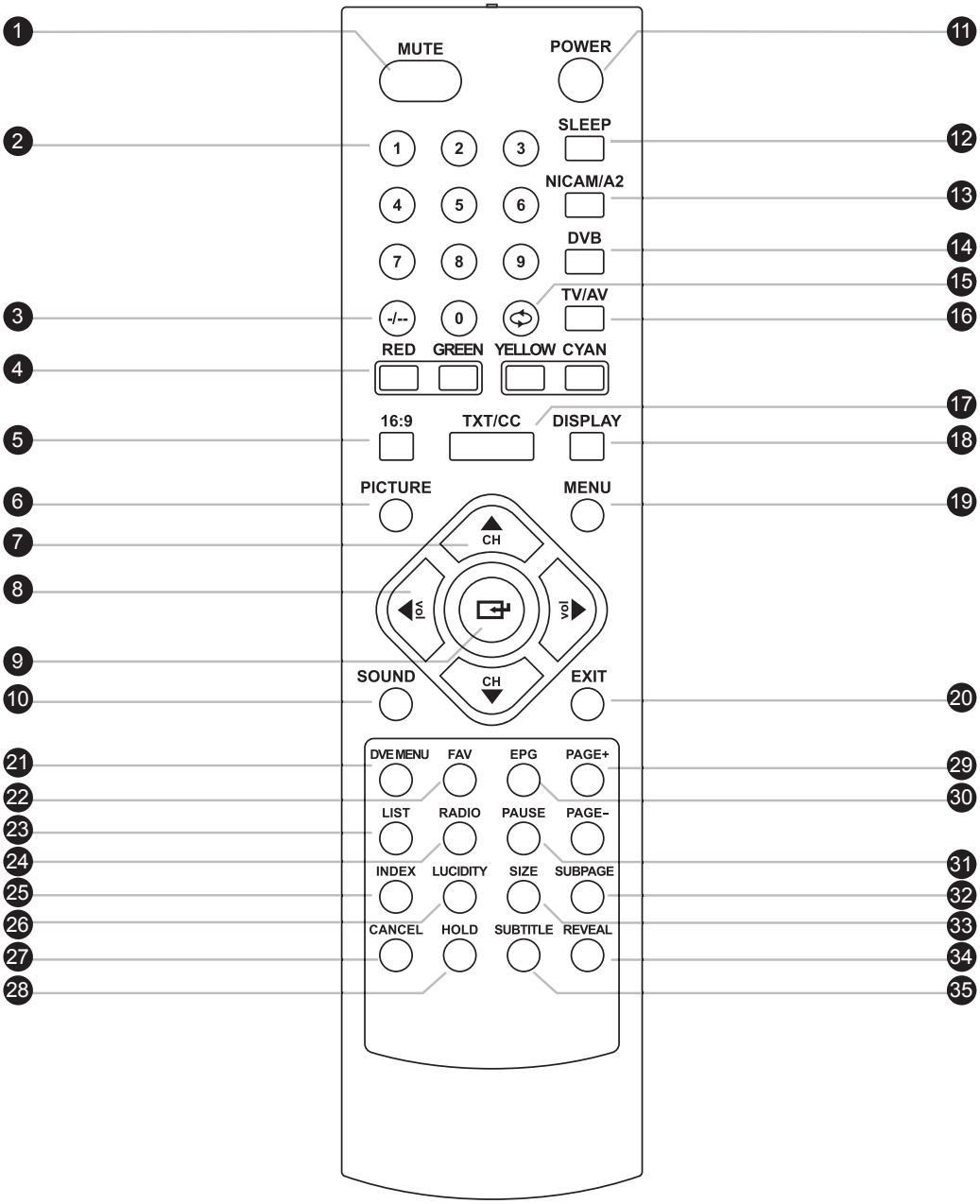
- Power light
- Green = On
- Orange = Power saving



Membrane Switch	Function
	Power on / off LCD
	Display the OSD menu
	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button for 5 seconds)
	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

< Part 4 > Digital TV - ATSC

< 4.1 > Remote Controller



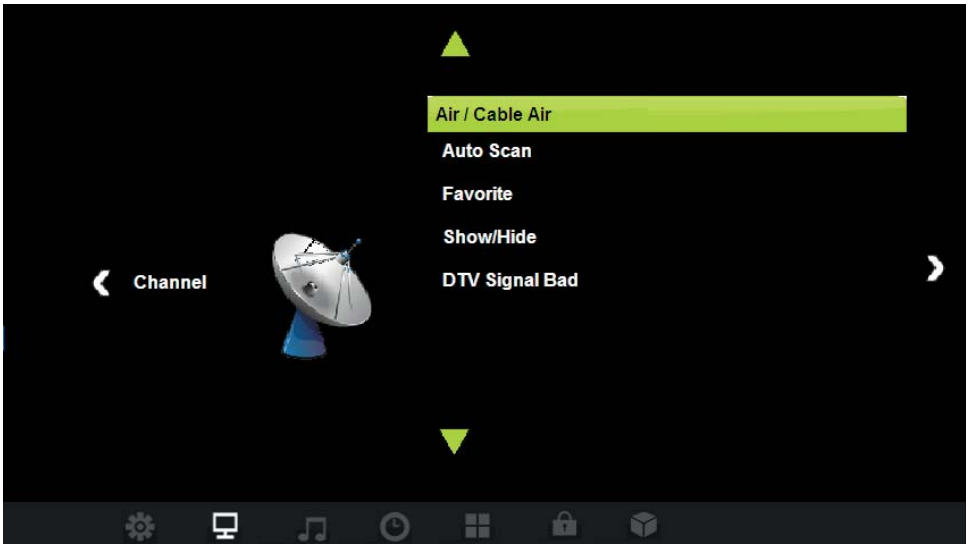
①	**MUTE**	Mute or restore sound
②	**0-9**	Select a channel directly or enter the numbers in the menus
③	**-/--**	Set input single or double digits
④	**RED / GREEN / YELLOW / CYAN**	COLOR keys. Only effective when indicated in the operation guide
⑤	**16:9**	ASPECT key to select different image sizes
⑥	**PICTURE**	Select the desired picture mode
⑦	**CH ▲ / ▼** and **UP / DOWN**	Channel - Select channels in ascending or descending order Menu - Select the desired items in menu
⑧	**Vol ◄ / ►** and **LEFT / RIGHT**	Volume - Adjust the volume Menu - Select the desired items in menu
⑨		ENTER key. Display the current channel list when watching channel or activate the highlighted menu item or display channel list menu in TV
⑩	**SOUND**	Select the desired sound mode
⑪	**POWER**	Switch power on or off
⑫	**SLEEP**	Set the sleep timer
⑬	**NICAM/A2**	MTS / AUDIO key to switch among mono, stereo and 19 SAP in ATV. Press this key to show the list of audio languages available for the current channel in DTV.
⑭	**DVB**	[Reserved for future use]
⑮		QUICK VIEW key to return the previously viewed program
⑯	**TV/AV**	Press this key to switch source
⑰	**TXT/CC**	Select the CC Mode
⑱	**DISPLAY**	Display the setting on the screen
⑲	**MENU**	Display the menu on the screen or go to the previous menu
⑳	**EXIT**	Exit from the current menu
㉑	**DVE MENU**	[Reserved for future use]
㉒	**FAV**	Choose a favorite channel list defined by you
㉓	**LIST**	F. List Add key. Add the channel to favorite list
㉔	**RADIO**	[Reserved for future use]
㉕	**INDEX**	[Reserved for future use]
㉖	**LUDCIDITY**	[Reserved for future use]
㉗	**CANCEL**	[Reserved for future use]
㉘	**HOLD**	[Reserved for future use]
㉙	**PAGE + / -**	[Reserved for future use]
㉚	**EPG**	Show the EPG when watching channel
㉛	**PAUSE**	FREEZE key to hold the picture
㉜	**SUBPAGE**	[Reserved for future use]
㉝	**SIZE**	[Reserved for future use]
㉞	**REVEAL**	[Reserved for future use]
㉟	**SUBTITLE**	[Reserved for future use]

< 4.2 > On-screen Display Operation (OSD)

Press **MENU** key to display menu or close the current menu and open the previous menu. And press **LEFT / RIGHT** to select sub menu. Press **ENTER** key to sub menu.

< 4.2.1 > Channel Menu

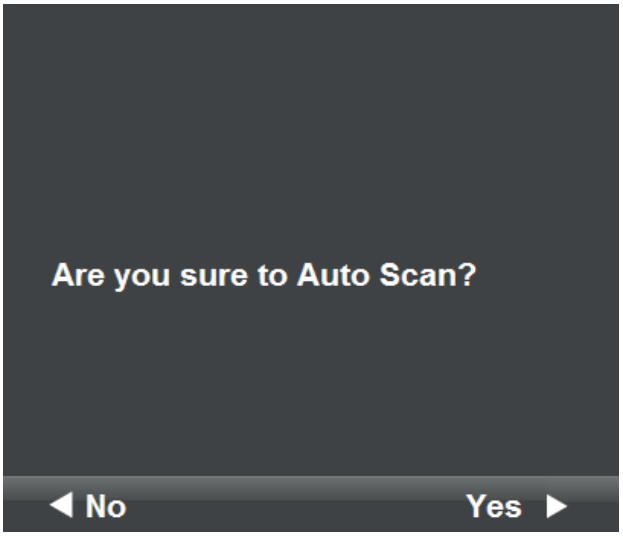
The Channel menu is available only in ATV and DTV source, followed by the CHANNEL MENU, Air/Cable, Auto Scan, Favorite, Show / Hide and DTV Signal are the items, which can be selected by pressing **UP / DOWN** keys.

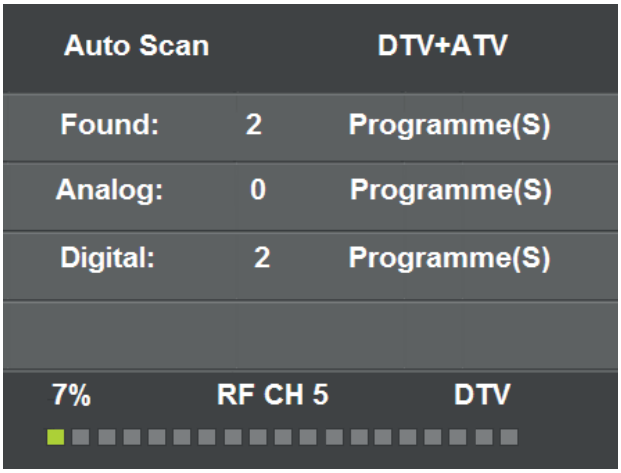


- Press **UP / DOWN** keys to select the different items.
- Press **ENTER** key to change the selection or enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

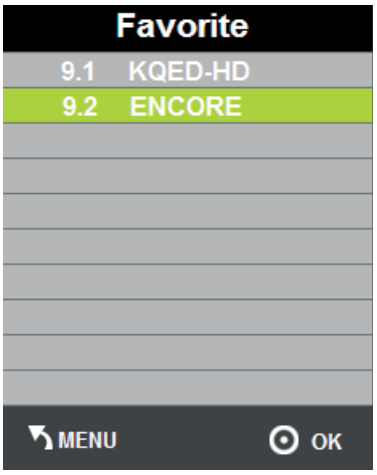
< 4.2.1.1 > Auto Scan Menu

Press **ENTER** key to enter the submenu, press **LEFT / RIGHT** keys to select yes or no. If you choose yes, then you can start the automatic tuning process. Press **MENU** key to stop the process. After a few minutes the tuning will finish and the first station stored will show on the TV screen. Change channels by pressing **UP / DOWN** keys.



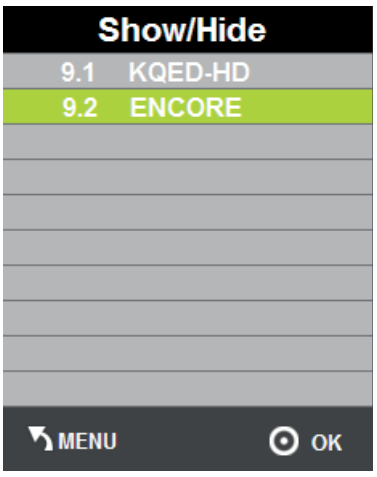


< 4.2.1.2 > Favorite Menu



- Press **UP / DOWN** keys to choose the channel which you want to select.
- Press **ENTER** key to select the channel is the favorite channel or not.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

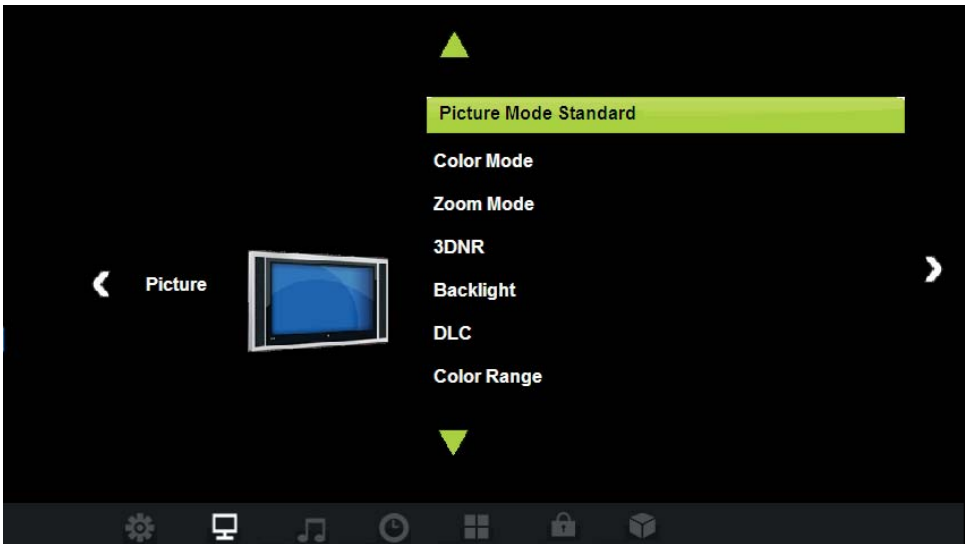
< 4.2.1.3 > Show / Hide Menu



- Press **UP / DOWN** keys to choose the channel which you want to select.
- Press **ENTER** key to select the channel if in the channel list.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

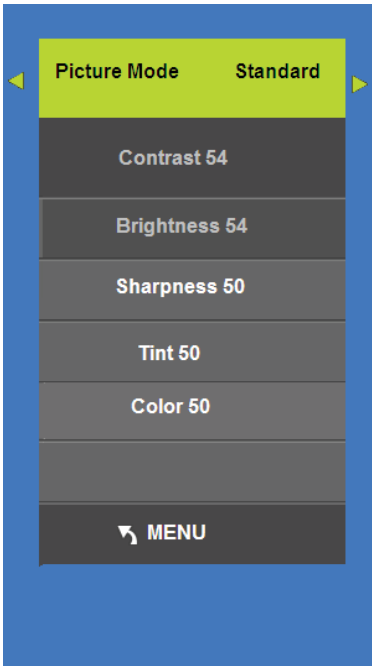
< 4.2.2 > Picture Menu

Enter Picture Menu, you can select Picture Mode, Color Mode, Zoom Mode, 3DNR, Backlight, DLC and Color Range items by pressing **UP / DOWN** keys.



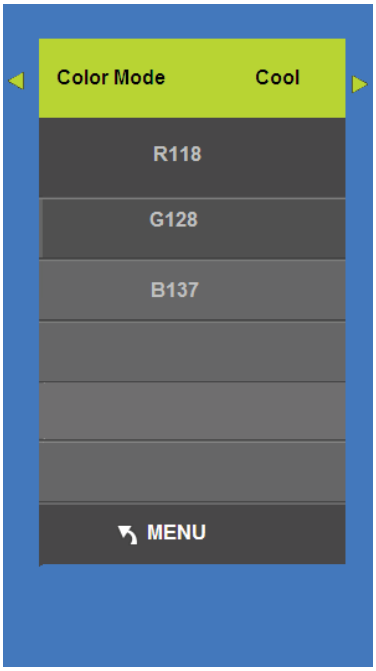
- Press **UP / DOWN** keys to select the different items.
- Press **ENTER** key to change the selection or enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.2.1 > Picture Mode Menu



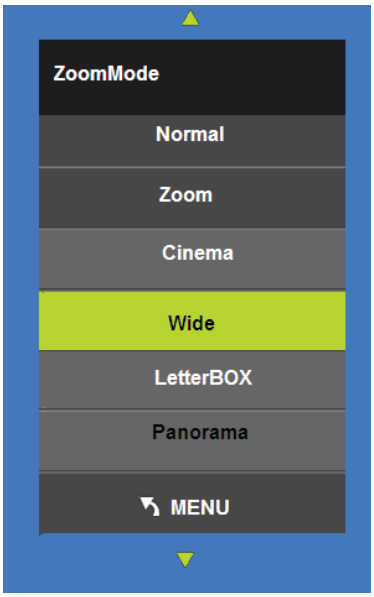
- Press **LEFT / RIGHT** keys to select the picture mode. If [User] is selected, adjust the items below.
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.2.2 > Color Mode Menu



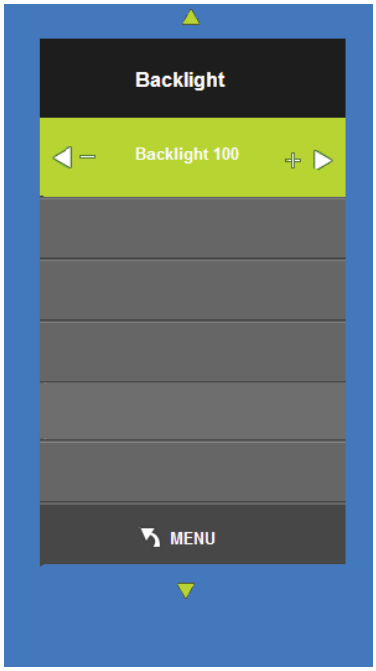
- Press **LEFT / RIGHT** keys to select the picture mode. If [User] is selected, adjust the items below.
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.2.3 > Zoom Mode Menu



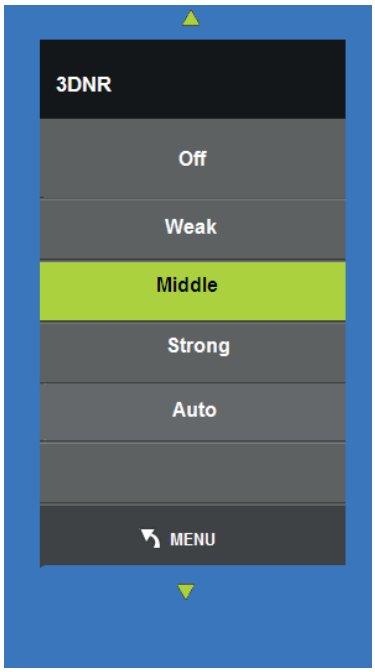
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.2.4 > Backlight Menu



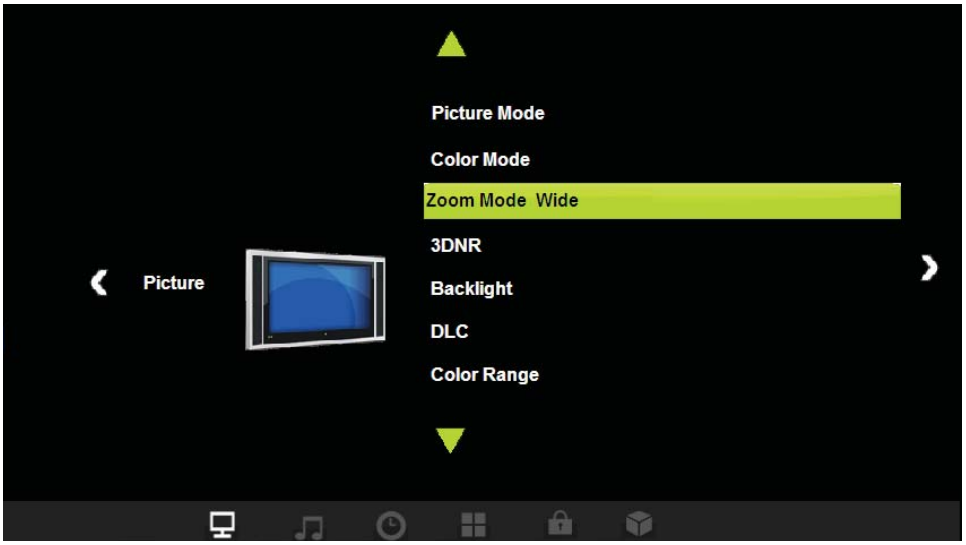
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

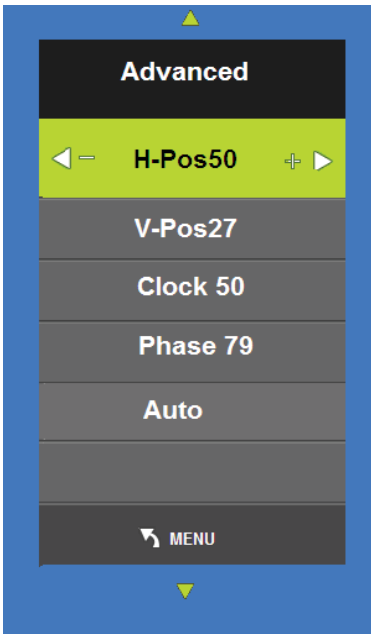
< 4.2.2.5 > 3DNR Menu



- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.2.6 > Advanced Menu



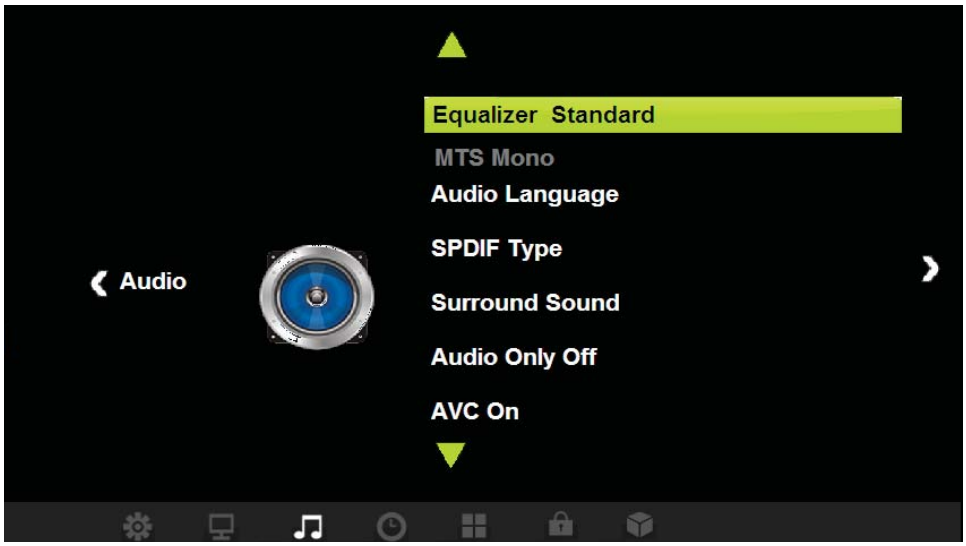


- Press **ENTER** key to enter the Advanced menu if you are in VGA source.
- Press ▲/▼ keys to select different setting.
- Use ◄/► keys to adjust the horizontal position of the window.
- Use ◄/► keys to adjust the vertical position of the window.
- Use ◄/► keys to adjust the clock of the window.
- Use ◄/► keys to adjust the phase of the window.
- Press **ENTER** key for a moment to restore the window.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

Power off both the computer and the TV set before making any connection.

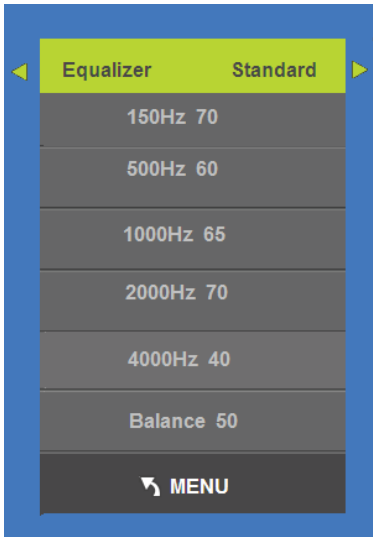
< 4.2.3 > Audio Menu

Enter Audio menu, you can select Equalizer Standard, MTS, Audio Language, SPDIF Type, Surround Sound, Audio Only and AVC items by pressing **UP / DOWN** keys.



- Press **UP / DOWN** keys to select the different items.
- Press **ENTER** key to change the selection or enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.3.1 > Equalizer Menu

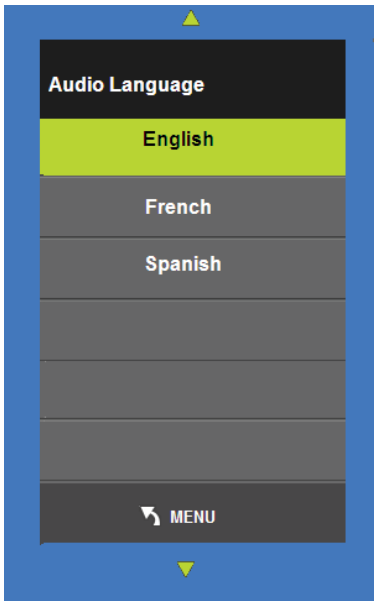


- Press **LEFT / RIGHT** keys to select the picture mode. If [User] is selected, adjust the items below.
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.3.2 > MTS Menu (only in ATV)

- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

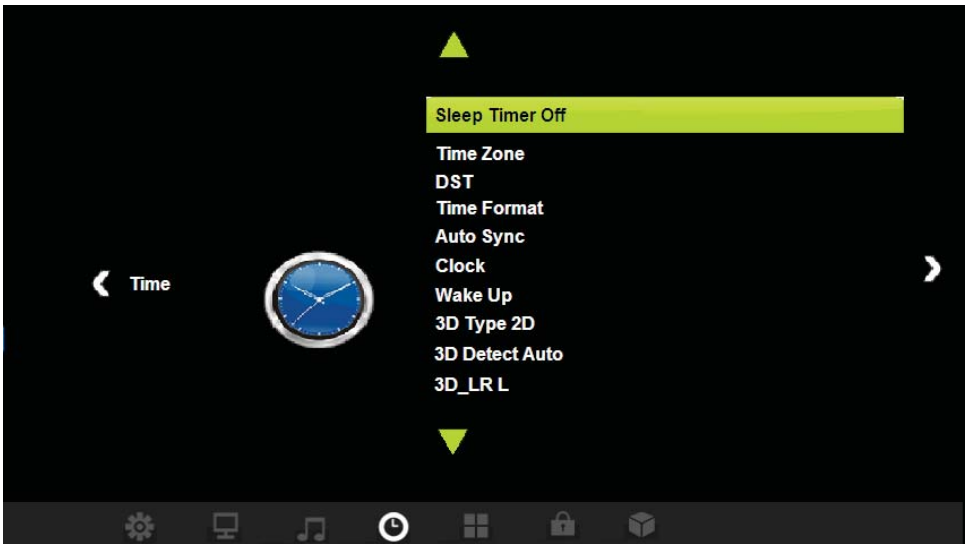
< 4.2.3.3 > Audio Language Menu



- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

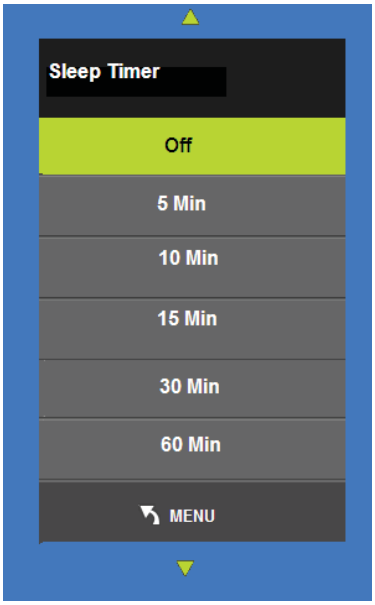
< 4.2.4 > Timer Menu

Enter Time menu, you can select Sleep Timer, Time Zone, DST, Time Format, Auto Sync, Clock, Wake Up, 3D Type 2D, 3D Detect and 3D_LR items by pressing **UP / DOWN** keys.



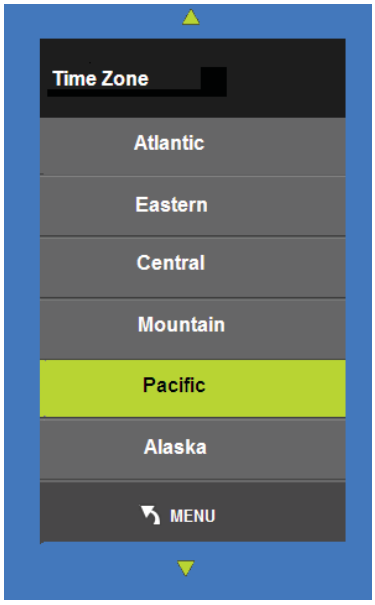
- Press **UP / DOWN** keys to select the different items.
- Press **ENTER** key to change the selection or enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.4.1 > Sleep Timer Menu



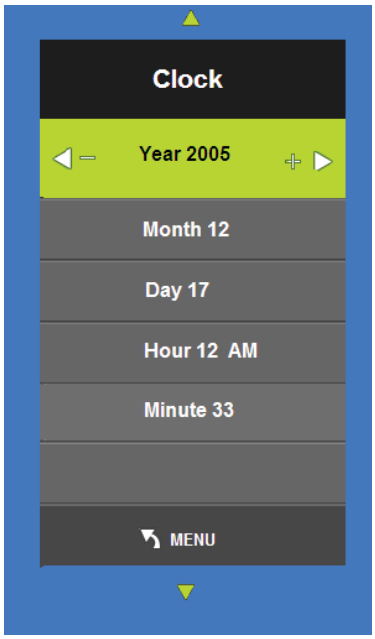
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.4.2 > Time Zone Menu



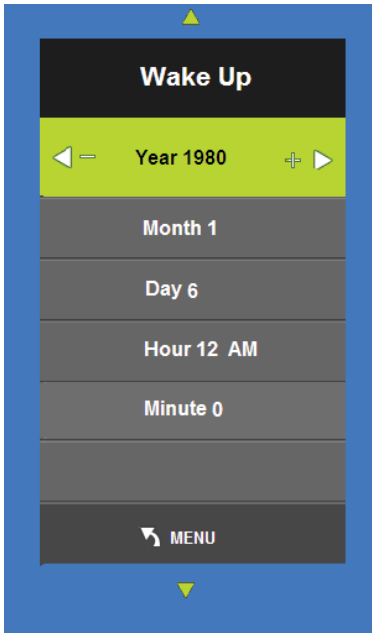
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.4.3 > Clock Menu (only when Auto Sync is off)



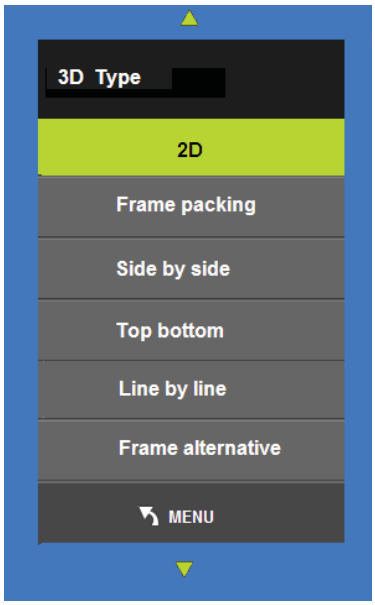
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.4.4 > Wake Up Menu



- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

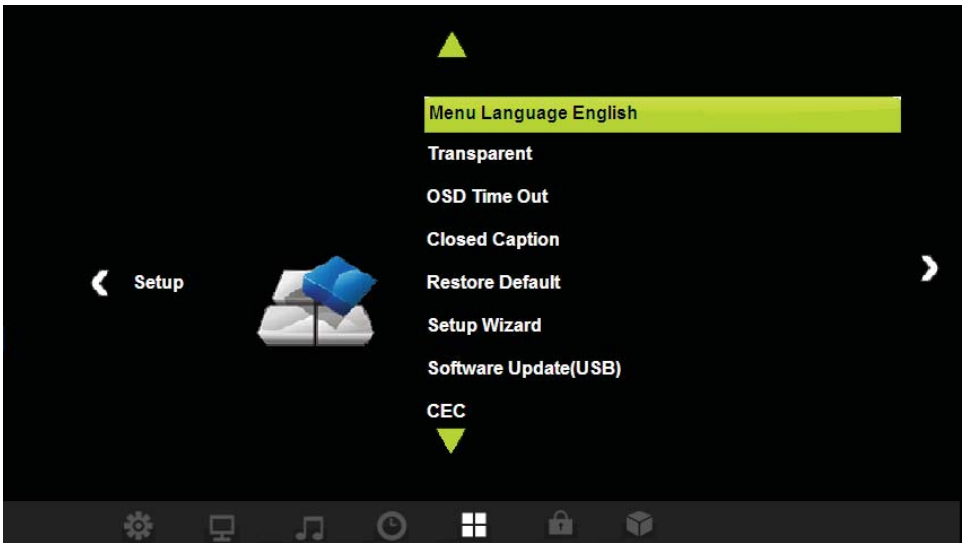
< 4.2.4.5 > 3D Type Menu (for 3D panel)



- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

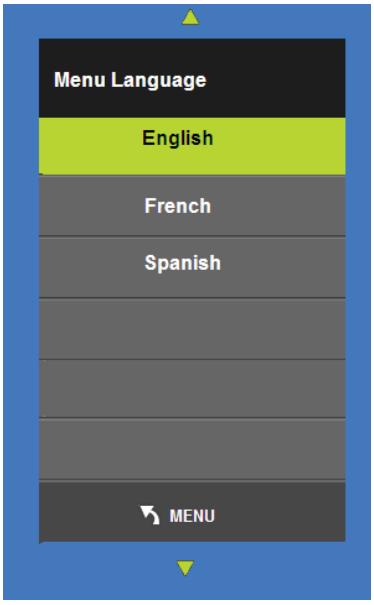
< 4.2.5 > Setup Menu

Enter Setup menu, you can select Menu Language, Transparent, OSD Time Out, Closed Caption, Restore Default, Setup Wizard, Software Update (USB) and CEC items by pressing **UP / DOWN** keys.



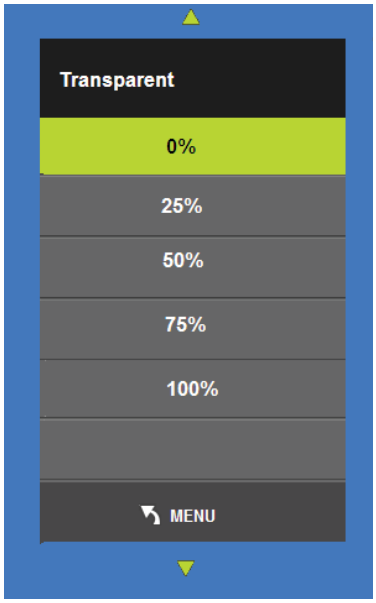
- Press **UP / DOWN** keys to select the different items.
- Press **ENTER** key to change the selection or enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.5.1 > Menu Language Menu



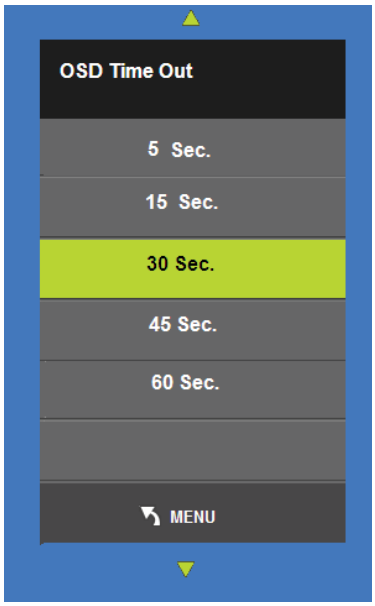
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.5.2 > Transparent Menu



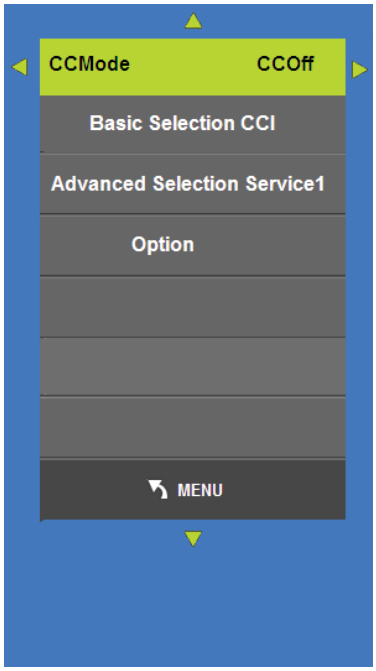
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.5.3 > OSD Time Out Menu



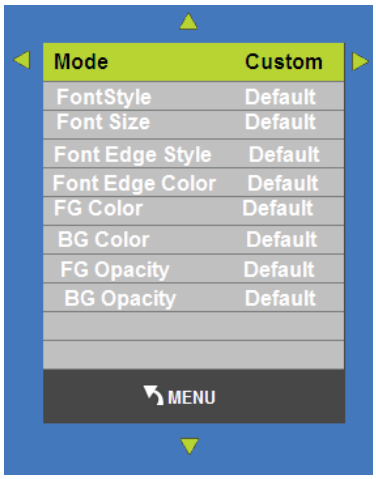
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.5.4 > Closed Caption Menu



- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **ENTER** key to enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.5.4.1 > Option Menu

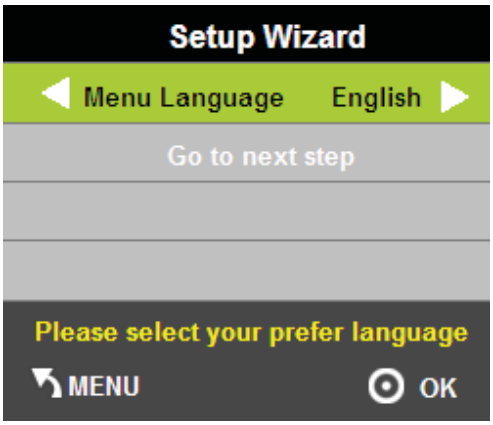


- Press **LEFT / RIGHT** keys to select the option mode. If [User] is selected, adjust the items below.
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

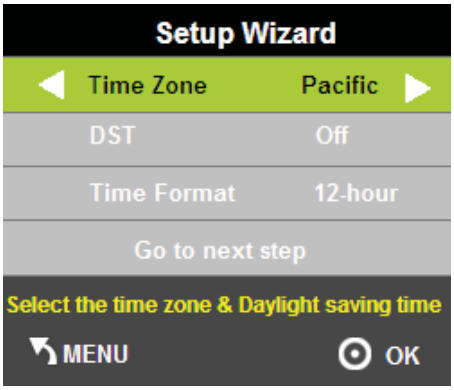
< 4.2.5.5 > Restore Default Menu

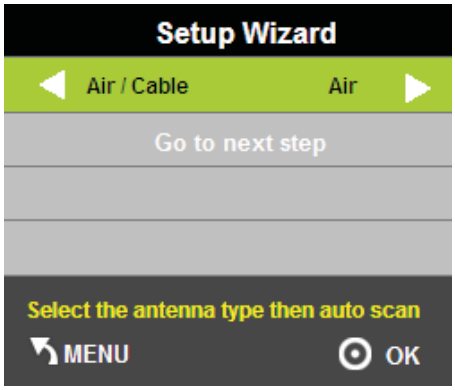
- Press **ENTER** key to enter the restore menu.
- Press **LEFT / RIGHT** keys to select yes or no.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

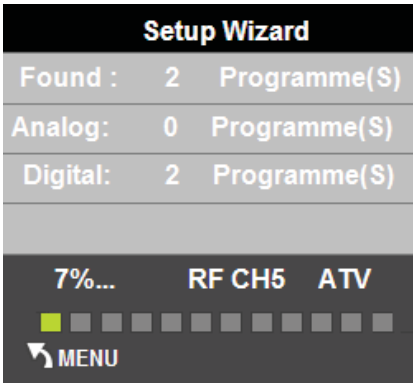
< 4.2.5.6 > Setup Wizard Menu



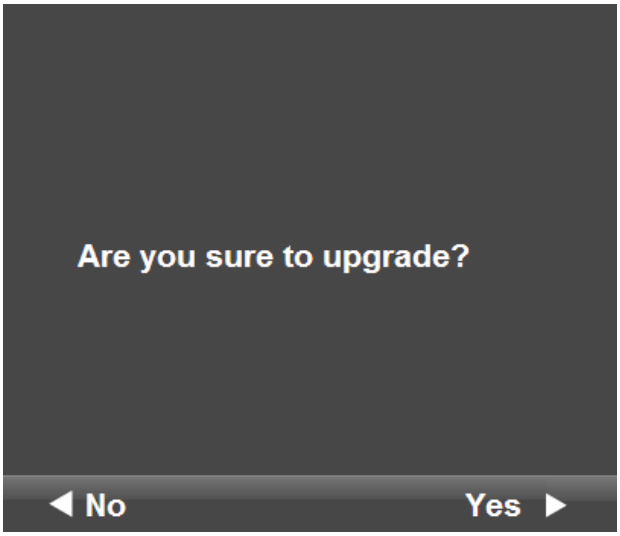
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **ENTER** key to go to next step.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.





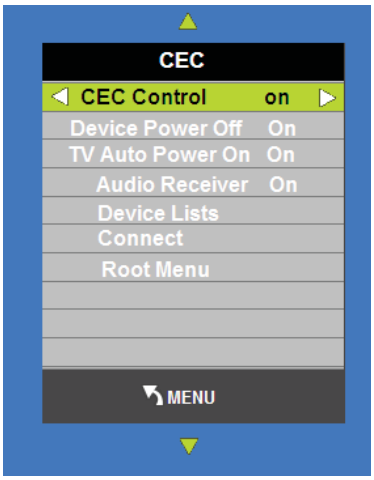


< 4.2.5.7 > Software Update (USB) Menu



- Press **ENTER** key to enter the restore menu.
- Press **LEFT / RIGHT** keys to select yes or no.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

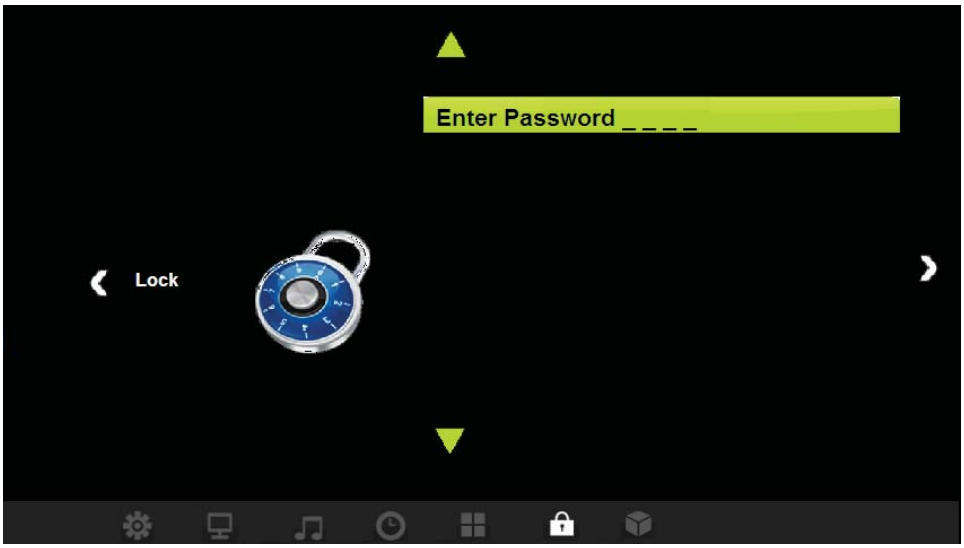
< 4.2.5.8 > CEC Menu



- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **ENTER** key to enter the sub-menu or set the select.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

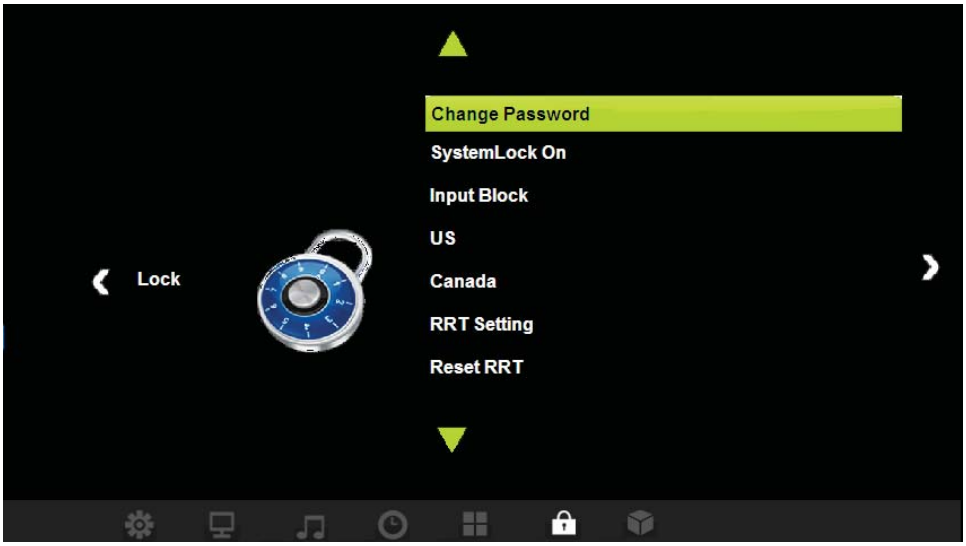
< 4.2.6 > Lock Menu

Followed by the Lock Menu, Enter Password, Change Password, System Lock, Input Block, US, Canada, RRT Setting and Reset RRT are the items, which can be selected by pressing **UP / DOWN** keys. RRT Setting and Reset RRT are only available in DTV when the program has RRT. And the RRT Setting menu is change with the DTV program. You should Reset RRT before you operate the RRT Setting menu. The operation is same with the US menu etc.

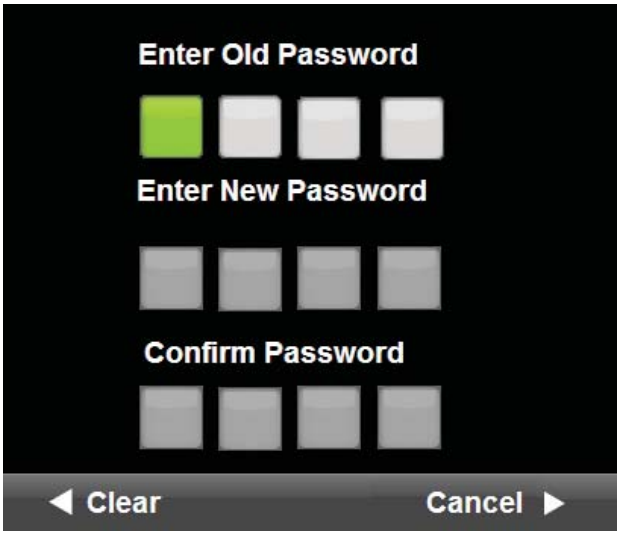


- Press the Numeric keys to enter password. Then you can press **UP / DOWN** keys to select the other items.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

The default V-CHIP password is 9999

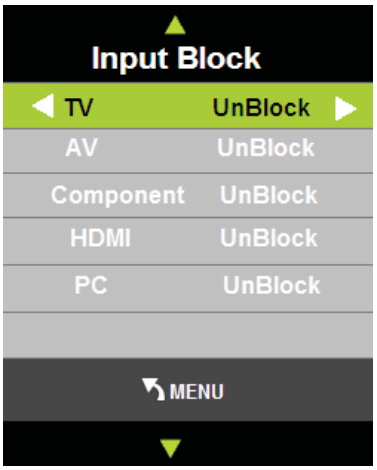


< 4.2.6.1 > Change Password Menu



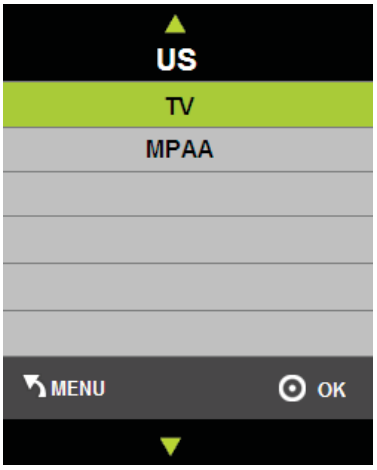
- To change password, you need to enter the old password. After enter old password, you can enter the new password and confirm password, which consists of only digits. The new password and Confirm password must be same. If the new password and confirm password are different, unmatched is displayed to indicate that new password is invalid.
- Press **VOL-** key to clear and press **VOL+** key to cancel the menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.2 > Input Block Menu



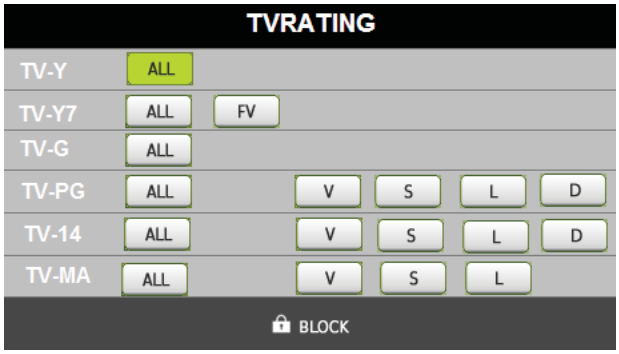
- Press **UP / DOWN** keys to select different setting.
- Press **LEFT / RIGHT** keys to change the value.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.3 > US Menu



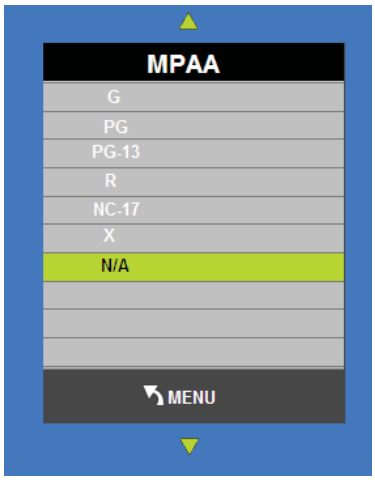
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.3.1 > TV Rating Menu



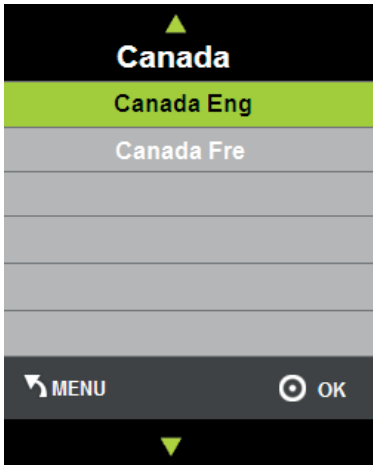
- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to set the select.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.3.2 > MPAA Menu



- Press **UP / DOWN** and **LEFT / RIGHT** keys to select different setting.
- Press **ENTER** key to set the select.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.4 > Canada Menu



- Press **UP / DOWN** keys to select different setting.
- Press **ENTER** key to enter the sub-menu.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.4.1 > Canada EngMenu

- Press **UP / DOWN** and **LEFT / RIGHT** keys to select different setting.
- Press **ENTER** key to set the select.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

< 4.2.6.4.2 > Canada Fre Menu

- Press **UP / DOWN** and **LEFT / RIGHT** keys to select different setting.
- Press **ENTER** key to set the select.
- Press **MENU** key to return the previous menu.
- Press **EXIT** key to exit the main menu.

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